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RAW SEQUENCE LISTING   DATE: 12/18/2002 P.6
PATENT APPLICATION: **US/09/918,624B**   TIME: 12:28:02

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247 cataatgacc aagaagcctg taaggccaaa gagcagaatc ttagtagtca agtagagtgt 7500
248 cttgaacttg agaaggctca gttgctacaa ggccttgatg aggccaaaaa taattatatt 7560
249 gttttgcaat cttcagtgaa tggcctcatt caagaagtag aagatggcaa gcagaaactg 7620
250 gagaagaagg atgaagaaat cagtagactg aaaaatcaaa ttcaagacca agagcagctt 7680
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 12/18/2002
PATENT APPLICATION: **US/09/918,624B**   TIME: 12:28:03

Input Set : **A:\pa0033us_subseqlist.txt**
Output Set: **N:\CRF4\12182002\I918624B.raw**

<u>Please Note:</u>
**Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.**

```
Seq#:3;  N Pos.  1638,1645,1650,1656,1658,1659,1661,1667,1669,1675,2055,2056
Seq#:3;  N Pos.  2057,2058,2059,2060,2061,2062,2063,2064,2065,2066,2067,2068
Seq#:3;  N Pos.  2069,2070,2071,2072,2073,2074,2075,2076,2077,2078,2079,2080
Seq#:3;  N Pos.  2081,2082,2083,2084,2085,2086,2087,2088,2089,2090,2091,2092
Seq#:3;  N Pos.  2093,2094,2640,2641,2642,2643,2644,2645,2646,2647,2648,2649
Seq#:3;  N Pos.  2650,2651,2652,2653,2654,2655,2656,2657,2658,2659,2660,2661
Seq#:3;  N Pos.  2662,2663,5680,5684,5699,5725,5726
Seq#:6;  N Pos.  1465,1466,1467,1468,1469,1470,1471,1472,1473,1474,1475,1476
Seq#:6;  N Pos.  1477,1478,1479,1480,1481,1482,1483,1484,1485,1486,1487,3159
Seq#:11; N Pos.  502,503,504,505,506,507,508,509,510,511,512,513,514,515,516
Seq#:11; N Pos.  517,518,519,520,521,522,523,524,525,526,527,528,529,530,531
Seq#:11; N Pos.  532,533,534,535,536,537,538,539,540,541,542,543,544,545,546
Seq#:11; N Pos.  605,606,607,608,609,610,611,612,613,614,615,616,617,618,619
Seq#:11; N Pos.  620,621,622,623,624,625,626,627,628,629,630,631,632,633,634
Seq#:11; N Pos.  635,636,637,638,639,640,641,642,643,644,645,646,647,648,649
Seq#:11; N Pos.  650,651,652,653,654,655,656,657,658,659,660,661
Seq#:13; N Pos.  537,1446
Seq#:22; N Pos.  880,881,882,883,884,885,886,887,888,889,890,891,892,893,894
Seq#:22; N Pos.  895,896,897,898,899,900,901
Seq#:31; N Pos.  1070,1472
Seq#:40; N Pos.  715
Seq#:41; N Pos.  1509
Seq#:43; N Pos.  508,509,510,511,512,513,514,515,516,517,518,519,520,521,522
Seq#:43; N Pos.  523,524,525,526,527,528,529,530,531,532,533,534,535,536,537
Seq#:43; N Pos.  538,539,540,541,542,543,544,545,546,547,548,549,550,551,552
Seq#:43; N Pos.  553,554,555,556,557,558,559,560,561,562,563,564,565,566,567
Seq#:43; N Pos.  568,569,570,571,572,573,574,575,576,577,578,579,580,581,582
Seq#:43; N Pos.  583,584,585,586,587,588,589,590,591,592,593,594,595,596,597
Seq#:43; N Pos.  598,599,600,601,602,603,604,605,606,607,608,609,610,611,612
Seq#:43; N Pos.  613,614,615,616,617,618,619,620,621,622,623,624,625,626,627
Seq#:43; N Pos.  628,629,630,631,632,633,634,635
Seq#:44; N Pos.  2929,2939,2941
Seq#:50; N Pos.  50
Seq#:51; N Pos.  435,436,437,438,439,440,441,442,443,444,445,446,447,448,449
Seq#:51; N Pos.  450,451,452,453,454,455,456,457,458,459,460,461,462,463,464
Seq#:51; N Pos.  465,466,467,468,469,470,471,472,473,474,475,476,477,478,479
Seq#:51; N Pos.  480,481,482,483,484,485,486,487,488,489,490,491,1237,1641
Seq#:52; N Pos.  669,703,862,882
Seq#:56; N Pos.  832
Seq#:58; N Pos.  425
Seq#:60; N Pos.  763,907,911,938
Seq#:61; N Pos.  887
Seq#:62; N Pos.  347
```

VERIFICATION SUMMARY   DATE: 12/18/2002
PATENT APPLICATION: **US/09/918,624B**   TIME: 12:28:03

Input Set : **A:\pa0033us_subseqlist.txt**
Output Set: **N:\CRF4\12182002\I918624B.raw**

```
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:1620
L:345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:2040
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:2580
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:2640
L:405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5640
L:406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5700
L:547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:1440
L:575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:3120
L:764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:480
L:765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:540
L:766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:600
L:767 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:660
L:863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:480
L:879 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:1440
L:1266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:840
L:1267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:900
L:1785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:1020
L:1792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:1440
L:2137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:660
L:2184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:1500
L:2252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:480
L:2253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:540
L:2254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:600
L:2337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:2880
L:2338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:2940
L:2754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
L:2789 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:420
L:2790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:480
L:2802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:1200
L:2809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:1620
L:2841 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:660
L:2844 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:840
L:2987 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:780
L:3104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:420
L:3192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:720
L:3195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:900
L:3226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:840
L:3257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:300
```